



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2000123695 A**(43) Date of publication of application: **28.04.00**

(51) Int. Cl.

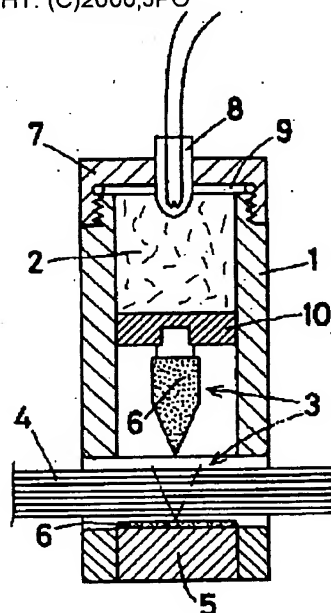
**H01H 39/00
H02G 1/02**(21) Application number: **10293233**(22) Date of filing: **15.10.98**(71) Applicant: **NICHIYU GIKEN KOGYO CO LTD**(72) Inventor: **WATANABE MASASHI
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TSUJI SHINZO****(54) EMERGENCY POWER SOURCE CUTOFF TOOL****(57) Abstract:**

PROBLEM TO BE SOLVED: To disconnect an electric wire laid on a hitting stand to surely cut off a power source by constituting a blade and the hitting stand to which a thrust is applied by the explosion of explosive filled in a cylinder with an insulating material coated metal.

SOLUTION: In the emergency power source cutoff tool, when current based on an alarm signal is carried to a blasting cap 8, explosive 2 is exploded, a piston 10 is pushed, a blade 3 is pushed down, cuts an electric wire 4, strikes against a hitting stand 5 and stops. Since the blade 3 and the stand 5 are made of steel having insulating coating 6 of ceramic, cutting quality and strength of the cutter 3 are not damaged, and the blade 3 interposed between the electric wires 4 existing after cutting insulates electricity. Even if a burr is produced at a cut end of the electric wire 4 and touched with the stand 5, insulation is kept with the insulating coating 6 of the stand 5. Since the blade 3 and the stand 5 are insulated and

strong, even a stiff and thick electric wire 5 can be cut, and the cut electric wire 4 is surely insulated. A secondary accident caused by an electric power can be prevented.

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